

**ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES
ARIZONA MINING AND MINERAL MUSEUM**

Treasure Hunt for Grades K – 1

Group Leader: Each student should have pencil and a blank sheet of paper with their name. Read the questions to the students, write their answers down and give them enough time to draw. You may give clues to answers.

Case-Shelf	Question	Answer
2-2	The bowls are made of rocks & minerals. How many bowls can you count on the middle shelf?	_____
3-1	Find the dark blue crystals. What letter does this mineral start with?	_____
4-2	On the middle shelf is an Arizona State Flag. There is a little ball of plastic above it. In that ball are four tiny bits of rock. Where have the flag and the rocks been?	_____
7-3	On the bottom glass shelf there is a beautiful mineral that starts with R. What color is it? _____	
9-1	What color is malachite [MAL uh kite]? It is used to make jewelry.	_____
9-1	Next to malachite is the mineral fluorite, used in toothpaste. What color is it?	_____
8-1	Pennies are made from copper. Is this piece of copper taller or shorter than you? _____	
36	How much do you weigh? _____ lbs. How much does the quartz crystal weigh? _____ lbs. Which weighs more: You or the crystal? _____	
21-3	Sulfur is used to make matches. What color are the sulfur crystals?	_____
46-1	There are beautiful blue and green crystals in this case. There is also a mineral that came out of the little bag. What is that mineral called?	_____
27	Do you have teeth in your mouth? _____. There are fossil teeth in this case. The mammoth tooth is in a jaw. The horse tooth is brown. The shark tooth is pointed. Which tooth is larger: the horse or the shark tooth? Draw all the teeth on the back.	
20-2	Remember pumice? It floats in water. What is washed with pumice to make it soft? _____	
95	Look at the rocks and minerals that look like food! Draw your favorite "food"!	
109-110	<i>(Found inside the alcove by the drinking fountain.)</i> Fluorescent minerals glow in beautiful colors. Find your favorite. Draw it on the back.	
57	Are these fossils plants or animals? _____	

Other K-1 Treasure Hunt Possibilities

Patriotic Treasure Hunt: Students point out ONLY red, white, blue rocks and minerals in each case.

Shapes Treasure Hunt: Students point out just ball shapes, or square shapes, or pointed ends.

Find a Twin Treasure Hunt: Students match rocks/minerals the same color on their clothes.

TEACHERS' NOTE: PLEASE DUPLICATE THIS FORM WITH THE ENCLOSED MAP ON THE BACK FOR YOUR STUDENTS & BRING PENCILS.

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Caso-Estante	Pregunta	Respuesta
2-2	Los tazones de fuente se hacen de rocas y de minerales. ¿Cuántos tazones de fuente puede usted contar en el estante medio?	
3-1	Encuentre los cristales azul marino. Con qué letra hace este comienzo mineral? _____	
4-2	Busca la bandera de Arizona. Hay una pelotita de plástico arriba de ella. Adentro de esa pelota hay cuatrar pedacitos de piedra. Dónde han estado esa bandera y las piedras? _____	
7-3	En el estante de cristal inferior hay un mineral hermoso que comienza con R. Qué color es él? _____	
9-1	El “malachite” es usado para hacer joyas. Qué color es? _____	
9-1	En seguida del “malachite” está el mineral que usan para hacer pasta de dientes que se llama “fluorite”. Qué color es?? _____	
8-1	Los peniques se hacen del cobre. ¿Es este pedazo de cobre más alto o más corto que usted? _____	
36	Cuántas libras pesas? _____ lbs. Cuánto pesa el cristal de “quartz”? _____ lbs.Cuál pesa más? _____	
21-3	Se usa sulfato para hacer cerillos. Qué color son los cristales de sulfato? _____	
46-1	Aquí hay unos cristales bonitos que son azules y verdes. También hay un mineral que salió de la bolsita. Cómo se llama ese mineral? _____	
27	Tienes dientes en tu boca? El diente del mamut está en la mandíbula. El diente de caballo es café. El diente del tiburón está picado. Cuál diente es mas grande? Dibuja todos los dientes atrás en las cajas del 27. _____	
20-2	Te acuerdas del “pumice”? Es el que flota en el agua. Con que se lava el pumice para que se haga suavcito? _____	
95	Mira las piedras y minerales que se parecen como comida! Dibuja tu comida favorita en la caja 95.	
109-110	(Junta a la fuente da agua) Minerales fosforescentes brillan en colores hermosos. Encuentra tu favorito y dibújalo en la caja 109-110.	
57	¿Son estos fósiles plantas o animales? _____	

NOTA DE LOS PROFESORES: **DUPLIQUE POR FAVOR** ESTO FORMA CON DEL MAPA INCLUIDO EN LOS TRASEROS PARA SUS ESTUDIANTES Y TRAIGA LOS LÁPICES.

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Treasure Hunt for Grades K – 1 TEACHER'S ANSWER KEY

Group Leader: Each student should have pencil and a blank sheet of paper with their name. Read the questions to the students, write their answers down and give them enough time to draw. You may give clues to answers.

Case-Shelf	Question	Answer
2-2	The bowls are made of rocks & minerals. How many bowls can you count on the middle shelf?	<u>21</u>
3-1	Find the dark blue crystals. What letter does this mineral start with?	<u>Kyanite</u>
4-2	On the middle shelf is an Arizona State Flag. There is a little ball of plastic above it. In that ball are four tiny bits of rock. Where have the flag and the rocks been?	<u>The Moon</u>
7-3	On the bottom glass shelf there is a beautiful mineral that starts with R. What color is it? (answers may vary)	<u>Pink or Rose</u>
9-1	What color is malachite [MAL uh kite]? It is used to make jewelry.	<u>Green</u>
9-1	Next to malachite is the mineral fluorite, used in toothpaste. What color is it?	<u>Purple</u>
8-1	Pennies are made from copper. Is this piece of copper taller or shorter than you?	<u>Shorter</u>
36	How much do you weigh? _____ lbs. How much does the quartz crystal weigh? <u>113 lbs.</u> Which weighs more: You or the crystal? _____	
21-3	Sulfur is used to make matches. What color are the sulfur crystals?	<u>Yellow</u>
46-1	There are beautiful blue and green crystals in this case. There is also a mineral that came out of the little bag. What is that mineral called?	<u>Gold</u>
27	Do you have teeth in your mouth? _____. There are fossil teeth in this case. The mammoth tooth is in a jaw. The horse tooth is brown. The shark tooth is pointed. Which tooth is larger: the horse or the shark tooth? <u>Shark</u> Draw all the teeth on the back.	
20-2	Remember pumice? It floats in water. What is washed with pumice to make it soft?	<u>Hat</u>
95	Look at the rocks and minerals that look like food! Draw your favorite "food"!	
109-110	<i>[Found inside the alcove by the drinking fountain.]</i> Fluorescent minerals glow in beautiful colors. Find your favorite. Draw it on the back.	
57	Are these fossils plants or animals?	<u>Animals</u>

Other K-1 Treasure Hunt Possibilities

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8-1 LOOKS LIKE SHARK TEETH

27 MAMMOTH TOOTH IN JAW

27 HORSE TOOTH

27 SHARK TOOTH

95 ROCK FOOD

109-110 FLUORESCENT MINERALS

